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1. An image projector, comprising:
a film assembly comprising a periscope having a
first aperture, said film assembly being configured so as to
mount a film to scroll in front of said first aperture of said
periscope;

a motor for scrolling the film in front of said
first aperture;

a light source projecting light through said
periscope and portions of the film positioned in front of said
first aperture of said periscope; and

a lens for focusing the light projected through the
film and said periscope.

2. An image projector according to Claim 1, wherein
said film assembly is configured to mount a continuous film
about said periscope, said motor scrolling the continuous film
around said periscope and in front of said first aperture.

3. An image projector according to Claim 1, wherein
said film assembly further comprises a plurality of rollers on
which the film is to be mounted, said rollers being rotatably
secured to said film assembly so as to rotate about
substantially parallel axes.

4. An image projector according to Claim 3, wherein
said plurality of rollers of said film assembly are configured

to mount a continuous film about said periscope, said motor scrolling the continuous film around said periscope and in front of said first aperture.

5 *Suba. 11* 5. An image projector according to Claim 4, wherein one of said plurality of rollers is rotated by said motor, causing the film, when mounted, to scroll about the rollers in directions substantially perpendicular to the axes of rotation of said rollers.

6. An image projector according to Claim 5, wherein said film assembly comprises four rollers.

7. An image projector according to Claim 5, wherein one of said rollers is pivotably mounted in said film assembly so as to swing inwardly and outwardly in directions substantially perpendicular to the axes of rotation of said rollers, and

wherein said film assembly further comprises a
20 biasing spring, said biasing spring biasing said pivotably mounted roller outward so as to pull the film, when mounted, taut against said plurality of rollers to secure the film on said rollers.

25 8. An image projector according to Claim 5, wherein said film assembly and said lens are slidably secured to each other such that a distance along the light path between said

lens and the film mounted on said film assembly is variable;
and

wherein focusing of an image on the film projected
by said image projector is performed by varying the distance
5 between said lens and the film.

Suball 9. An image projector according to Claim 8, further
comprising a housing containing said film assembly, said lens,
said motor and said light source, wherein said light source
and said lens are secured in said housing; and

means for varying the position of said film assembly
with respect to said lens and said housing.

10. An image projector according to Claim 8,
wherein said motor is mounted on said film assembly.

11. An image projector according to Claim 4,
wherein said periscope further comprises a first mirror, a
second mirror, and a second aperture.

12. An image projector according to Claim 11,
wherein said light source, the film, said first aperture, said
first mirror, said second mirror, said second aperture and
said lens are arranged in that order along the light path.

13. An image projector according to Claim 11,
wherein said light source, said second aperture, said second

mirror, said first mirror, said first aperture, the film and said lens are arranged in that order along the light path.

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14. An image projector, comprising:

a film assembly comprising a periscope and a plurality of rotatably mounted rollers, said plurality of rollers mounting a continuous film so as to scroll about said periscope, in directions substantially perpendicular to axes of rotation of said rollers, such that portions of the film pass in front of a first aperture of said periscope;

a motor for rotating at least one of said rollers so as to cause the film to scroll around said periscope;

a light source projecting light through the portions of the film positioned in front of said first aperture, as the film scrolls past said first aperture and across the light path, and through said periscope; and

a lens for focusing the light projected through the film and said periscope.

15. An image projector according to Claim 14,

wherein one of said rollers is pivotably mounted in said film assembly so as to swing inwardly and outwardly in directions substantially perpendicular to the axes of rotation of said rollers, and

wherein said film assembly further comprises a biasing spring, said biasing spring biasing said pivotably mounted roller outward so as to pull the film, when mounted,

taut against said plurality of rollers to secure the film on said rollers.

5 16. An image projector according to Claim 14, wherein said film assembly and said lens are slidably secured to each other such that a distance along the light path between said lens and the film mounted on said film assembly is variable; and

wherein focusing of an image on the film projected by said image projector is performed by varying the distance between said lens and the film.

Sub 013 17. An image projector according to Claim 16, further comprising a housing containing said film assembly, said lens, said motor and said light source, wherein said light source and said lens are secured in said housing; and means for varying the position of said film assembly with respect to said lens and said housing.

20 18. An image projector according to Claim 14, wherein said periscope further comprises a first mirror, a second mirror, and a second aperture.

25 19. An image projector according to Claim 18, wherein said light source, the film, said first aperture, said first mirror, said second mirror, said second aperture and said lens are arranged in that order along the light path.

20. An image projector, comprising:

scrolling means for scrolling the film mounted on
said mounting means;

light path shifting means for shifting the light path of the light projected by said light projecting means before or after the light has been projected through the portions of the scrolling film; and

focusing means for focusing the light projected through the scrolling film by said light projecting means and shifted by said light path shifting means, so as to project a scrolling image formed by a pattern on the scrolling film.